

Illinois Environmental
Protection Agency

2200 Churchill Road, Springfield, Illinois 6270

217/782-2113

Permit Expiration Date: January 23, 1984

Application No.: 02110542

I.D. No.: 119050AAA HF ALKY UT

Received: January 24, 1979

Operation of: H. F. Alkylation Unit

Location: Post Office Box 7, Hartford, Illinois

February 22, 1979

Clark Oil and Refining Corporation

Post Office Box 1994

Milwaukee, Wisconsin 53201

Attention: Robert H. Bruggink

Gentlemen:

Permit is hereby granted to operate the above-referenced equipment.

This permit is subject to the following conditions:

1. Standard conditions attached hereto and incorporated herein by reference.
2. The following special conditions:
 - a. Operation is allowed during malfunction and breakdown provided:
 1. The permittee shall immediately notify the Agency's regional office:

Environmental Protection Agency
Division of Air Pollution Control
115A West Main Street
Collinsville, Illinois 62234

by phone of any malfunction of any component of the permittee's sulfur recovery system which may result in a violation of the sulfur dioxide regulations. This shall include Shell Oil's inability to supply the permittee with adequate lean DEA for hydrogen sulfide scrubbing.

EPA Region 5 Records Ctr.



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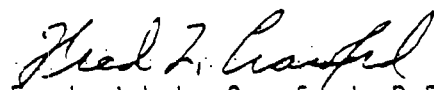
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STATE OF ILLINOIS

2. Whenever the Shell sulfur plant has not recovered at least 75% of the total sulfur available from Shell, Amoco and the permittee, for a four hour period, the permittee shall institute SO₂ emission reduction procedures. The procedures shall reduce SO₂ emission by 0.25 to 0.375 ton/hr. These procedures shall include:
 1. Substituting low sulfur #6 oil and LPG for high sulfur #6 oil in the refinery heaters, and
 2. Any other reasonable actions to reduce emissions.

Very truly yours,


Frederick L. Crawford, P.E.
Analysis Unit Manager, Permit Section
Division of Air Pollution Control

FLC:HMP:rd7146/4-5